

Subject Index Vol. 1

- Absorption, intestinal, of sugars, 187
- Acid production, from carbohydrates in plaque, 78
- Activation analysis, of enamel
 - antimony, 327
 - -, - - carbon, 318
- Amino acids, in enamel protein, 349
- Antimony, in human enamel 327
- Bell's palsy and caries, 162
- Biopsy, of enamel, 153
- Calcium, binding to glycoprotein, 343
 - , in enamel, 137
 - , in parotid saliva, 333
 - polyphosphates, in enamel and dentine, 1
- Carbohydrates, and acid formation
 - in plaque, 78
 - , and dental findings, 222
 - , and nutrition, economy and caries, 185
- Carbon dioxide, in enamel, 137
 - , in human enamel, 318
- Caries, after Bell's palsy, 162
 - , and carbohydrates, 185
 - , and infant feeding, 167
 - , artificial, with dark zone, 261
 - , with dark zone, 261
- Cariogenicity, of starch, 208
 - , of sucrose, 208
- Dark zone in caries, 261
- Density patterns in enamel, 42
- Dentinal fluid, hydrodynamics, 310
- Digestion of sugars, 187
- Enamel, amino acid content, 349
 - antimony, determination, 327
 - , biopsy, 153
 - , calcium content, 137
 - , carbon, determination, 318
 - , - dioxide content, 137
 - caries, electron microscopy, 356
 - , density patterns, 42
 - , mineralisation, micro-chemical investigation, 174
 - , nitrogen content, 137
 - , phosphorus content, 137
 - , sodium content, 137
 - , wear, 32
- Enzymes, affection by fluorine compounds, 69
- Facial paralysis and caries, 162
- Fermentative capabilities of plaques, 247
- Fluoridated water, F determination, 295
- Fluoride, and enamel wear, 32
 - , and sugar, effect on plaque pH, 130
 - , determination in enamel, 153
 - , determination in water, 295
 - , determination methods, 295
 - , isolation by micro-diffusion, 281
 - , radioactive, use in biology, 299, 309
- Fluorine compounds, effects on enzymes, 69

Subject Index Vol. 1

- Absorption, intestinal, of sugars, 187
- Acid production, from carbohydrates in plaque, 78
- Activation analysis, of enamel
 - antimony, 327
 - -, - - carbon, 318
- Amino acids, in enamel protein, 349
- Antimony, in human enamel 327
- Bell's palsy and caries, 162
- Biopsy, of enamel, 153
- Calcium, binding to glycoprotein, 343
 - , in enamel, 137
 - , in parotid saliva, 333
 - polyphosphates, in enamel and dentine, 1
- Carbohydrates, and acid formation
 - in plaque, 78
 - , and dental findings, 222
 - , and nutrition, economy and caries, 185
- Carbon dioxide, in enamel, 137
 - , in human enamel, 318
- Caries, after Bell's palsy, 162
 - , and carbohydrates, 185
 - , and infant feeding, 167
 - , artificial, with dark zone, 261
 - , with dark zone, 261
- Cariogenicity, of starch, 208
 - , of sucrose, 208
- Dark zone in caries, 261
- Density patterns in enamel, 42
- Dentinal fluid, hydrodynamics, 310
- Digestion of sugars, 187
- Enamel, amino acid content, 349
 - antimony, determination, 327
 - , biopsy, 153
 - , calcium content, 137
 - , carbon, determination, 318
 - , - dioxide content, 137
 - caries, electron microscopy, 356
 - , density patterns, 42
 - , mineralisation, micro-chemical investigation, 174
 - , nitrogen content, 137
 - , phosphorus content, 137
 - , sodium content, 137
 - , wear, 32
- Enzymes, affection by fluorine compounds, 69
- Facial paralysis and caries, 162
- Fermentative capabilities of plaques, 247
- Fluoridated water, F determination, 295
- Fluoride, and enamel wear, 32
 - , and sugar, effect on plaque pH, 130
 - , determination in enamel, 153
 - , determination in water, 295
 - , determination methods, 295
 - , isolation by micro-diffusion, 281
 - , radioactive, use in biology, 299, 309
- Fluorine compounds, effects on enzymes, 69

- Glycoprotein, salivary, Ca-binding, 343
- Incisor caries and infant feeding, 167
- Magnesium, in parotid saliva, 333
- Maturation, of rat enamel hypoplasia, 15
- Microbes, in plaques, 239
- Micro-diffusion, for fluoride isolation, 281
- Mineralisation, of pig enamel, 174
- Molybdate, and sugar, effect on plaque pH, 130
- Monofluorophosphate, biologic splitting, 144
- Nitrogen, in enamel, 137
- Organic films on teeth, composition, 89
- pH measurement, on monkey teeth, 59
- Phosphorus, in enamel, 137
- Plaque, fermentative capabilities, 247
- , microbes, 239
- Polyphosphates, in enamel and dentine, 1
- Pulp fluid, hydrodynamics, 310
- Saliva, Mg and Ca secretion, 333
- Salivary glycoprotein, Ca-binding, 343
- , in enamel integuments, 104
- proteins, adsorption to hydroxylapatite, 52
- Sodium, in enamel, 137
- Starch, cariogenicity, 208
- Sucrose, cariogenicity, 208
- Sugars, intestinal digestion and absorption, 187
- Triazines, and caries, 275
- Wear, of deciduous enamel, 32
- , of enamel, and fluoride content, 32

Caries Research

Journal of the European Organization for Caries Research (ORCA)

Editor

Y. ERICSSON, Stockholm

Editorial Board

W. BÜTTNER, Würzburg
J. L. HARDWICK, Manchester
H. R. HELD, Genève

G. N. JENKINS, Newcastle upon Tyne
K. G. KÖNIG, Zürich
R. WEILL, Paris

1967



Vol. 1

BASEL (Switzerland)

S. KARGER

NEW YORK

ARMSTRONG, W. G.: The Composition of Organic Films Formed on Human Teeth	89
ÅSTRÖM, A.: vide BRÄNNSTRÖM, M.	
BACKER DIRKS, O. and COX, F. H.: Fluoride Determination in Fluoridated Drinking Water	295
BÄUMLER, J.: The Isolation of Fluoride by Micro-Diffusion Techniques	281
BENCZE, J.: Dental Caries Experience after Bell's Palsy	162
BOWEN, W. H. and EASTOE, J. E.: The Effect of Sugar Solutions Containing Fluoride and Molybdate Ions on the pH of Plaque in Monkeys	130
BOWEN, W. H.: vide EASTOE, J. E.	
BRÄNNSTRÖM, M.; LINDÉN, L. Å. and ÅSTRÖM, A.: The Hydrodynamics of the Dental Tubule and of Pulp Fluid. A Discussion of its Significance in Relation to Dentinal Sensitivity	310
BRUNETTI, P.: vide CAPOZZI, L.	
CANDELI, A.; CAPOZZI, L.; MARCI, F. and MARCHINI, G.: The Determination of Fluoride within the Teeth by Means of Biopsy on the Enamel	153
CAPOZZI, L.; BRUNETTI, P.; NEGRI, P. L. and MIGLIORINI, E.: Enzymatic Mechanism of Action of Some Fluorine Compounds ..	69
CAPOZZI, L.: vide CANDELI, A.	
CITCHLEY, P.: vide LEACH, S. A.	
COOPER, W. E. G.: A Microchemical Investigation of the Mineralisation of Dental Enamel in the Pig	174
COX, F. H.: vide BACKER DIRKS, O.	
CRITCHLEY, P.; WOOD, J. M.; SAXTON, C. A. and LEACH, S. A.: The Polymerisation of Dietary Sugars by Dental Plaque	112
CROSSLAND, LYNDIA; HARDWICK, J. L. and SMITH, D. C.: Caries Experience in Rats Following Tooth-Brushing with Halogenated Triazines	275
DAWES, C.: The Secretion of Magnesium and Calcium in Human Parotid Saliva	333
EASTOE, J. E. and BOWEN, W. H.: Some Factors Affecting pH Measurement on Tooth Surfaces in Monkeys	59
EASTOE, J. E.: vide BOWEN, W. H.	
ERICSON, Th.: Adsorption to Hydroxylapatite of Proteins and Conjugated Proteins from Human Saliva	52
ERICSSON, Y.: Biologic Splitting of PO_3F Ions	144
ERICSSON, Y.: Discussion of Professor Hardwick's Paper	309

EYRE, D. R.: vide WEIDMANN, S. M.	
FREMLIN, J. H.: vide WATSON, J. E.	
GILMOUR, MARION N. and POOLE, A. E.: The Fermentative Capabilities of Dental Plaque	247
GILMOUR, MARION N.: vide POOLE, A. E.	
GOOSE, D. H.: Infant Feeding and Caries of the Incisors: an Epidemiological Approach	167
GRENBY, T. H.: Investigations in Experimental Animals on the Cariogenicity of Diets Containing Sucrose and/or Starch	208
HAMM, STELLA M.: vide WEATHERELL, J. A.	
HARDWICK, J. L. and MARTIN, C. J.: The Use of F ¹⁸ in Quantitative Biological Studies	299
HARDWICK, J. L.: vide CROSSLAND, LYNDIA.	
HARGREAVES, J. A.: Enamel Wear in Deciduous Teeth with Age, Related to Surface Fluoride Content	32
JONSEN, J.: vide RÖLLA, G.	
JOHNSON, N. W.: Transmission Electron Microscopy of Early Carious Enamel	356
KOLENDO, A. B.: vide LEACH, S. A.	
KÖNIG, K. G.: Proceedings of the Symposium on Carbohydrates in Relation to Nutrition, Economic Standard and Dental Caries. General Introduction	185
LEACH, S. A.; CRITCHLEY, P.; KOLENDO, A. B. and SAXTON, C. A.: Salivary Glycoproteins as Components of the Enamel Integuments	104
LEACH, S. A.: vide CRITCHLEY, P.	
LINDÉN, L. Å.: vide BRÄNNSTRÖM, M.	
LIVINGSTON, H. D.: vide NIXON, G. S.	
MARCI, F.: vide CANDELI, A.	
MARCHINI, G.: vide CANDELI, A.	
MARTHALER, T. M.: Epidemiological and Clinical Dental Findings in Relation to Intake of Carbohydrates	222
MARTIN, C. J.: vide HARDWICK, J. L.	
MIGLIORINI, E.: vide CAPOZZI, L.	
MILLS, J. R.: vide POOLE, A. E.	
NAUJOKS, R.; SCHADE, H. and ZELINKA, F.: Chemical Composition of Different Areas of the Enamel of Deciduous and Permanent Teeth (The Content of Ca, P, CO ₂ , Na and N ₂) ...	137
NEFF, D.: Acid Production from Different Carbohydrate Sources in Human Plaque <i>in situ</i>	78

NEGRI, P. L.: vide CAPOZZI, L.	
NEWESELY, H.: The Chemical Behaviour of Calcium Polyphosphates in Enamel and Dentine	1
NIXON, G. S.; LIVINGSTON, H. D. and SMITH, H.: Estimation of Antimony in Human Enamel by Activation Analysis	327
POOLE, A. E.; GILMOUR, MARION N. and MILLS, J. R.: The Microbial Content of Natural and Membrane Plaques	239
POOLE, A. E.: vide GILMOUR, MARION N.	
QUENTIN, K.-E.: Colorimetric Methods for Fluoride Determination	288
RÖLLA, G. and JONSEN, J.: The Calcium-Binding Effect of a Human Salivary Glycoprotein	343
SAXTON, C. A.: vide CRITCHLEY, P.	
SAXTON, C. A.: vide LEACH, S. A.	
SCHADE, H.: vide NAUJOKS, R.	
SEMENZA, G.: Selected Topics in Carbohydrate Biochemistry: Digestion and Absorption of Sugars in the Intestinal Tract ..	187
SILVERSTONE, L. M.: Observations on the Dark Zone in Early Enamel Caries and Artificial Caries-Like Lesions	261
SMITH, D. C.: vide CROSSLAND, LYND A.	
SMITH, H.: vide NIXON, G. S.	
SPEIRS, R. L.: Factors Influencing 'Maturation' of Developmental Hypomineralized Areas in the Enamel of Rat Molars	15
STUBBINS, M. I.: vide WATSON, J. E.	
WATSON, J. E.; FREMLIN, J. H. and STUBBINS, M. I.: The Distribution of Carbon in Human Tooth Enamel Determined by Charged Particle Activation Analysis	318
WEATHERELL, J. A.; WEIDMANN, S. M. and HAMM, STELLA M.: Density Patterns in Enamel	42
WEIDMANN, S. M. and EYRE, D. R.: Amino Acid Composition of Enamel Protein in a Fully Developed Human Tooth	349
WEIDMANN, S. M.: vide WEATHERELL, J. A.	
WOOD, J. M.: vide CRITCHLEY, P.	
ZELINKA, F.: vide NAUJOKS, R.	
ANNOUNCEMENT	88, 184, 279

All rights, including that of translation into other languages, reserved
Photomechanic reproduction (photocopy, microcopy) of this volume or parts thereof without
special permission of the publishers is prohibited



Copyright 1967 by S. Karger AG, Basel
Printed in Switzerland by Buchdruckerei Hutter AG, Reinach

